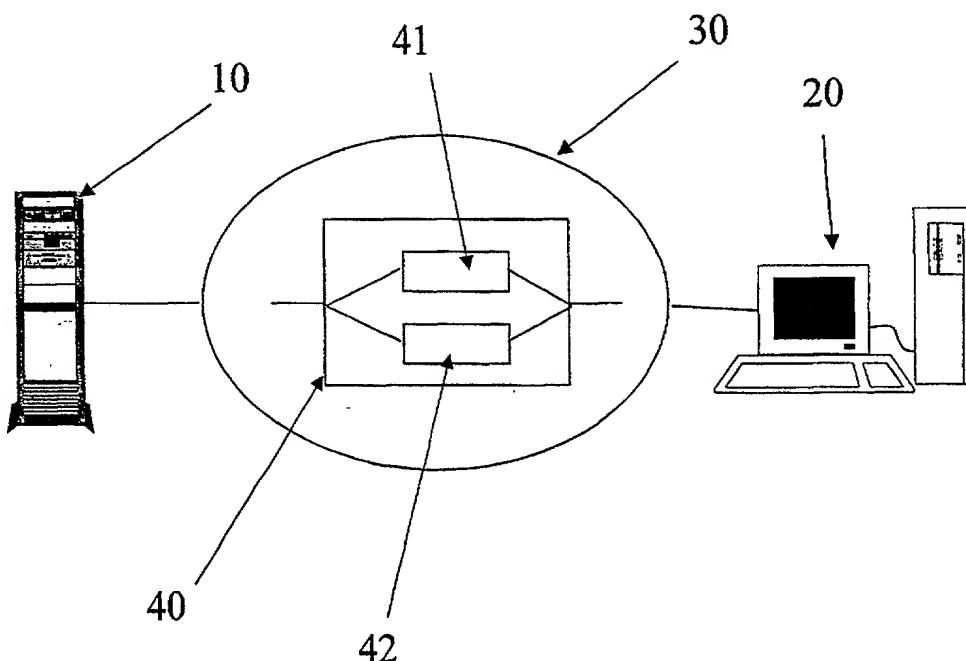




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(71) Applicant (for all designated States except US): BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB).			
(72) Inventors; and			
(75) Inventors/Applicants (for US only): HODGKINSON, Terence, Geoffrey [GB/GB]; 46 Melton Grange Road, Melton, Woodbridge, Suffolk IP12 1SD (GB). CHERRADI, Younes [MA/GB]; 43 Flat A, Fordwych Road, London NW2 3TN (GB).			
(74) Agent: ROBERTS, Simon, Christopher; BT Group Legal Services, Intellectual Property Department, 8th Floor, Holborn Centre, 120 Holborn, London EC1N 2TE (GB).			

(54) Title: COMPUTER COMMUNICATION PROVIDING QUALITY OF SERVICE



## (57) Abstract

A method is provided for more efficiently transmitting data from a server computer to a client computer over a communications network, the nodes of which are capable of providing two classes of transmission quality. Data is transmitted using the high priority class until a local cache at the client computer is filled to a certain upper threshold, at which point the data is transmitted using the low priority class. If the local cache at the client computer subsequently reaches a lower threshold then the transmitted reverts to the high priority class. The communications network may be connection-based (e.g. ATM) or connection-less (e.g. the Internet).